

BRIAN MARKS

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SKILLS

Computer Science and Programming

- Programming in Python, PHP, Perl, Ksh, Awk, C#, C++, Java, Assembly, MATLAB
- Database design, normalization, and queries in MySQL and MSSQL
- Game programming, design, and AI in XNA using C#
- Agile software engineering with scrum methodology
- Cryptographic techniques using Crypto++ and Python's cryptography library
- Management and tool design in ClearCase environment
- Basic Android app design in Java.

Projects

- Social networking site called 'Wildbook' for outdoor events and activities.
- 2D platforming game with complicated 'boss' AI called 'Acid Island.'
- Web-based computer hardware resale and compatibility application.
- Block file system using Lind-fuse and RePy
- Cryptographic tool to use frequency analysis to decrypt cipher texts similar to WEP

EXPERIENCE

June 2015 –
August 2015

Software Development Environment Intern, *Alcatel-Lucent*

- Develop Unix and Windows utilities to assist developers working on LTE features
- Used Perl, Ksh, and Awk to develop several tools to sift through ClearCase data to develop statistics of usage of views and vobs
- Used PHP, Javascript, and HTML to develop a web site to create custom pivoted reports

November 2014 –
Present

Peer Tutoring, *New York University*

- Tutor students in the areas of Math, Science, and Computer Science.

June 2013 –
December 2014

Technical Consultant, *Ford Foundation*

- Develop small scripts as well as medium sized applications to assist in server management, application deployment, and report generating.
- Develop and maintain database systems and Microsoft servers.
- Manage various security software such as Bit9, CarbonBlack, and Symantec Antivirus.

September 2010 –
June 2012

Help Desk Support, *NYC Department of Education*

- Provide technical support to various network, hardware, and software related issues.

EDUCATION

May 2016 (Exp.)

Bachelors in Computer Science | Minor in Mathematics, *NYU Polytechnic School of Engineering* – GPA: 3.745

June 2012

Advanced Regents Diploma with Honors, *Herbert H. Lehman High School* – Rank 3

